

What is claimed is:

1 1. A turntable structure to control function
2 selection for a media player, comprising:

3 a base having a central post, wherein the central
4 post has a protrusion and a positioning portion
5 formed thereon;

6 a retaining ring disposed on the central post and
7 having an engaging hole and a positioning
8 groove, wherein the protrusion is engaged in
9 the engaging hole, the positioning portion is
10 engaged with the positioning groove, and a gap
11 exists between the retaining ring and the
12 central post to prevent deformation of the
13 central post resulting from thermal expansion
14 and contraction;

15 a bearing assembly encircling the retaining ring;

16 a rotating assembly assembled on the bearing
17 assembly; and

18 a rotating shaft fit in the central post and
19 connected to the rotating assembly.

1 2. The turntable structure as claimed in claim 1,
2 wherein the retaining ring is metal.

1 3. The turntable structure as claimed in claim 1,
2 wherein the central post is hollow.

1 4. The turntable structure as claimed in claim 1,
2 wherein the edge of the top end of the central post is
3 sloped.

1 5. The turntable structure as claimed in claim 1,
2 wherein the portion between the central post and the base
3 is a curved surface.

1 6. The turntable structure as claimed in claim 1,
2 wherein the bearing assembly is a ball bearing assembly.

1 7. The turntable structure as claimed in claim 1,
2 wherein the central post is formed integrally with the
3 base.

1 8. The turntable structure as claimed in claim 1,
2 wherein the bottom of the rotating assembly further
3 comprises a plurality of toothed portions enabling the
4 media player to detect the rotary position thereof.

1 9. A turntable structure, comprising:

2 a base having a central post;

3 a retaining ring disposed on the central post,
4 wherein a gap exists between the retaining ring
5 and the central post to prevent deformation of
6 the central post resulting from thermal
7 expansion and contraction;

8 a bearing assembly encircling the retaining ring;

9 and

10 a rotating assembly assembled on the bearing
11 assembly.

1 10. The turntable structure as claimed in claim 9,
2 wherein the retaining ring further comprises an engaging
3 hole and a positioning groove.

1 11. The turntable structure as claimed in claim 10,
2 wherein the central post further comprises a protrusion
3 and a positioning portion formed thereon, the protrusion
4 engaged in the engaging hole, and the positioning portion
5 engaged with the positioning groove.

1 12. The turntable structure as claimed in claim 9,
2 wherein the retaining ring is metal.

1 13. The turntable structure as claimed in claim 9,
2 wherein the central post is hollow.

1 14. The turntable structure as claimed in claim 9,
2 wherein the edge of the top end of the central post is
3 sloped.

1 15. The turntable structure as claimed in claim 9,
2 wherein the portion between the central post and the base
3 is a curved surface.

1 16. The turntable structure as claimed in claim 9,
2 wherein the bearing assembly is a ball bearing assembly.

1 17. The turntable structure as claimed in claim 9,
2 wherein the central post is formed integrally with the
3 base.

1 18. The turntable structure as claimed in claim 9,
2 wherein the bottom of the rotating assembly further
3 comprises a plurality of toothed portions enabling the
4 media player to detect the rotary position thereof.

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19. The turntable structure as claimed in claim 9, further comprising a rotating shaft fit in the central post and connected to the rotating assembly.